

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/020635

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04M3/22 H04L29/06 H04L29/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHEDMinimum documentation searched (classification system followed by classification symbols)
 IPC 7 H04M H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
 EPO-Internal, WPI Data, PAJ**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/051518 A1 (BONDY WILLIAM MICHAEL ET AL) 2 May 2002 (2002-05-02) abstract figures 1-3,5,6 paragraphs '0009!, '0019!, '0021!, '0023!, '0024!, '0029!, '0030!, '0032!, '0039!, '0040!, '0049! - '0052!, '0058! - '0061!, '0070!, '0071! -----	1-20
A	EP 1 119 120 A2 (ALCATEL CANADA INC) 25 July 2001 (2001-07-25) abstract paragraphs '0025!, '0036!, '0037!, '0042! figures 2,3,5,7 ----- -/-	1-20

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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8 document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
3 February 2005	10/02/2005
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Goya, J

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 233 618 B1 (SHANNON STEVEN) 15 May 2001 (2001-05-15) abstract claims 1-10 -----	1-20

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 2002051518	A1 02-05-2002	US 2001052081 A1 US 2002009973 A1		13-12-2001 24-01-2002
EP 1119120	A2 25-07-2001	NONE		
US 6233618	B1 15-05-2001	NONE		